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<b>TRANSMITTAL FORM</b>  <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/735,606	
	Filing Date	December 12, 2003	
	First Named Inventor	Helen M. Moore et al.	
	Art Unit	2673	
	Examiner Name	To be assigned	
Total Number of Pages in This Submission	82	Attorney Docket Number	9692-000030

ENCLOSURES (check all that apply)				
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input checked="" type="checkbox"/> Form PTO 1449 <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i> <p style="text-align: center;"><b>Copy of 1 Foreign reference; and return postcard.</b></p>		
<table border="1" style="width: 100%;"> <tr> <td style="width: 15%; text-align: center;">Remarks</td> <td>The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.</td> </tr> </table>		Remarks	The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.	
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name Jeffrey L. Snyder	Reg. No. 43,141
Signature			
Date	January 31, 2006		

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Typed or printed name	Jeffrey L. Snyder	Express Mail Label No.	EV 717 344 052 US (1/31/06)
Signature		Date	January 31, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EV 717 344 052 US



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No.: 10/735,606  
Filing Date: December 12, 2003  
Applicant: Helen M. Moore et al.  
Group Art Unit: 2673  
Examiner: To be assigned  
Title: METHODS FOR IDENTIFYING, VIEWING, AND ANALYZING  
SYNTENIC AND ORTHOLOGOUS GENOMIC REGIONS  
BETWEEN TWO OR MORE SPECIES  
Attorney Docket: 9692-000030

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Director of the United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION**

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. **COPIES**

A.  Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated

October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

B.  Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C.  This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search report are listed on the attached Form 1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g).)

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A.  Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B.  A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1.  See the attached foreign patent office communication from a counterpart foreign application:

2.  English translations are provided:

3.  Other:

C.  The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A.  The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

<u>Serial No.</u>	<u>Filing Date</u>	<u>Inventor(s)</u>
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V. THIS IDS IS BEING FILED UNDER

A.  **37 C.F.R. § 1.97(b):** (check only one box)

- within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
- within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
- before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
- before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B.  **37 C.F.R. § 1.97(c):** (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

- No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
- See the certification below. No fee is required.

C.  **37 C.F.R. § 1.97(d):**

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1.  See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)

The undersigned hereby certifies that:

A.  each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or

B.  no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C.  some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. 1.704(d)

The undersigned hereby states that:

each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

- A.  A check in the amount of \$180.00 is enclosed for the above identified fee.
- B.  Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: January 31, 2006

By:   
Jeffrey L. Snyder, Reg. No. 43,141

Harness, Dickey & Pierce, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

JLS/srs



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 3

ATTORNEY DOCKET NO.	SERIAL NO.
9692-000030	10/735,606
APPLICANT	
Helen M. Moore et al.	
FILING DATE	GROUP
December 12, 2003	2673

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.		4,586,546	5/6/86	Mezei et al.		
2.		5,916,524	6/29/99	Tisone		
3.		5,998,768	12/7/99	Hunter et al.		
4.		5,999,209	12/7/99	Hunter et al.		
5.		6,005,664	12/21/99	Korenberg et al.		
6.		6,036,920	3/14/00	Pantoliano et al.		
7.		6,088,100	6/11/00	Brenan et al.		
8.		6,154,707	11/28/00	Livak et al.		
9.		6,203,759	3/20/01	Pelc et al.		
10.		6,214,293	4/10/01	Pantoliano et al.		
11.		6,235,520	5/22/01	Dehlinger et al.		
12.		6,309,608	10/30/01	Zhou et al.		
13.		6,358,679	3/19/02	Heid et al.		
14.		6,373,726	4/16/02	Russell		
15.		6,448,089	9/10/02	Vuong		
16.		6,472,218	10/29/02	Stylli et al.		
17.		6,586,257	7/1/03	Vuong		
18.		6,638,483	10/28/03	Vuong		
19.		6,730,883	5/4/04	Brown et al.		
20.		6,814,933	11/9/04	Vuong		
21.		6,825,927	11/30/04	Goldman et al.		

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE**  
**INFORMATION DISCLOSURE CITATION**  
 (Use several sheets if necessary)

Sheet 2 of 3

ATTORNEY DOCKET NO.	SERIAL No.
9692-000030	10/735,606
APPLICANT	
Helen M. Moore et al.	
FILING DATE	GROUP
December 12, 2003	2673

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.		6,852,986	2/8/05	Lee et al.		
23.		2001/0049134	12/6/01	Lee et al.		
24.		2002/0090320	7/11/02	Burow et al.		
25.		2002/0098593	7/25/02	Nelson et al.		
26.		2002/0098598	4/25/02	Coffen et al.		
27.		2002/0198858	12/26/02	Stanley et al.		
28.		2003/0027179	2/6/03	Heid et al.		
29.		2003/0087446	5/8/03	Eggers		
30.		2003/0100995	5/29/03	Loraine et al.		
31.		2003/0108868	6/12/03	Richards		
32.		2003/0109060	6/12/03	Cook et al.		
33.		2003/0118483	6/26/03	Militzer et al.		
34.		2003/0124539	7/3/03	Warrington et al.		
35.		2003/0136921	7/24/03	Reel		
36.		2003/0179639	8/7/03	Stolakis et al.		
37.		2003/0190652	10/9/03	De La Vega et al.		
38.		2003/0202637	10/30/03	Yang		
39.		2003/0205681	11/6/03	Modlin		
40.		2003/0207464	11/6/03	Lemmo et al.		
41.		2003/0215957	11/20/03	Lemmo et al.		

Examiner: \_\_\_\_\_ Date Considered: \_\_\_\_\_

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<p>FORM HDP-1449 (Based on Form PTO-1449)</p> <p><b>PATENT AND TRADEMARK OFFICE</b></p> <p><b>INFORMATION DISCLOSURE CITATION</b></p> <p>(Use several sheets if necessary)</p> <p>Sheet 3 of 3</p>	ATTORNEY DOCKET NO.	SERIAL No.
	9692-000030	10/735,606
	APPLICANT	
	Helen M. Moore et al.	
	FILING DATE	GROUP
December 12, 2003	2673	

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
42.		2004/0014238	1/22/04	Krug et al.		
43.		2004/0018506	1/29/04	Koehler et al.		
44.		2004/0057870	3/25/04	Isaksson et al.		
45.		2004/0061071	4/1/04	Dorsel		
46.		2004/0131505	7/8/04	Koeda		
47.		2004/0202577	10/14/04	McNeil et al.		
48.		2004/0203047	10/14/04	Caren et al.		
49.		2004/0203164	10/14/04	Cizdziel et al.		

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No
1.		WO 01/90951	11/29/01	WIPO		X	

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.